

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A synergistic herbicidal mixture comprising

A) 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole or one of its environmentally compatible salts;

and

B) at least one of flumetsulam

or one of its environmentally compatible salts;

or

clopyralid

or one of its environmentally compatible salts;

and,

C) at least one herbicidal compound selected from the group consisting of sulfonamide and triazine C1 to C16:

~~C1—acetyl-CoA carboxylase inhibitors (ACC):~~

~~——cyclohexenone oxime ethers:~~

~~alloxydim, clethodim, cloproxydim, cycloxydim, sethoxydim,~~

~~tralkoxydim, butroxydim, clefoxydim or tepraloxym;~~

~~——phenoxyphenoxypropionic esters:~~

clodinafop-propargyl (and, if appropriate, cloquintocet), cyhalofop-butyl, diclofop-methyl, fenoxaprop-ethyl, fenoxaprop-P-ethyl, fenthiapropethyl, fluazifop-butyl, fluazifop-P-butyl, haloxyfop-ethoxyethyl, haloxyfop-methyl, haloxyfop-P-methyl, isoxapyrifop, propaquizafop, quizalofop-ethyl, quizalofop-P-ethyl or quizalofop-tefuryl; or

— arylaminopropionic acids:

flamprop-methyl or flamprop-isopropyl;

C2—acetolactate synthase inhibitors (ALS):

— imidazolinones:

imazapyr, imazaquin, imazamethabenz-methyl (imazame),

imazamox, imazapic, imazethapyr or imazamethapyr;

— pyrimidyl ethers:

pyrithiobac-acid, pyrithiobac-sodium, bispyribac-sodium, KIH-6127

or pyribenzoxym;

— sulfonamides:

florasulam, flumetsulam or metosulam; or

— sulfonyleureas:

amidosulfuron, azimsulfuron, bensulfuron-methyl, chlorimuron-

ethyl, chlorsulfuron, cinosulfuron, cyclosulfamuron,

ethametsulfuron-methyl, ethoxysulfuron, flazasulfuron,

halosulfuron-methyl, imazosulfuron, metsulfuron-methyl,

nicosulfuron, primisulfuron-methyl, prosulfuron, pyrazosulfuron-

ethyl, rimsulfuron, sulfometuron-methyl, thifensulfuron-methyl, triasulfuron, tribenuron-methyl, triflurosulfuron-methyl, N-[[[4-methoxy-6-(tri-fluoromethyl)-1,3,5-triazin-2-yl]amino]-carbonyl]-2-(trifluoromethyl)-benzenesulfonamide, sulfosulfuron or iodosulfuron;

**C3—amides:**

—— allidochlor (CDAA), benzoylprop-ethyl, bromobutide, chlorthiamid, diphenamid, etobenzanid (benzchlomet), fluthiamide, fosamin or monalide;

**C4—auxin-herbicides:**

—— pyridine-carboxylic acids:

clopyralid or picloram; or

—— 2,4-D or benazolin;

**C5—auxin-transport-inhibitors:**

—— naptalame or diflufenzopyr;

**C6—carotenoid-biosynthesis-inhibitors:**

—— benzenefenap, clomazone (dimethazone), diflufenican, fluorchloridone, fluridone, pyrazolynate, pyrazoxyfen, isoxaflutole, isoxachlortole, mesotrione, sulcotrione (chlormesulone), ketospiradox, flurtamone, norflurazon or amitrol;

**C7—enolpyruvylshikimate-3-phosphate-synthase-inhibitors (EPSPS):**

—— glyphosate or sulfosate;

**C8—glutamine-synthetase-inhibitors:**

—— bilanafos (bialaphos) or glufosinate-ammonium;

## C9—lipid biosynthesis inhibitors:

## ——anilides:

anilofos or mefenacet;

## ——chloroacetanilides:

dimethenamid, S-dimethenamid, acetochlor, alachlor, butachlor, butenachlor, diethatyl-ethyl, dimethachlor, metazachlor, metolachlor, S-metolachlor, pretilachlor, propachlor, prynachlor, terbutachlor, thenylchlor or xylachlor;

## ——thioureas:

butylate, cycloate, di-allate, dimepiperate, EPTC, esprocarb, molinate, pebulate, prosulfocarb, thiobencarb (benthioncarb), tri-allate or vernolate; or

## ——benfuresate or perfluidone;

## C10—mitosis inhibitors:

## ——carbamates:

asulam, carbetamid, chlorpropham, orbencarb, pronamid (propyzamid), propham or tiocarbazil;

## ——dinitroanilines:

benofin, butralin, dinitramin, ethalfluralin, fluchloralin, oryzalin, pendimethalin, prodiamine or trifluralin;

## ——pyridines:

dithiopyr or thiazopyr; or

## ——butamifos, chlorthal-dimethyl (DCPA) or maleic hydrazide;

C11—protoporphyrinogen IX-oxidase inhibitors:

——diphenyl ethers:

acifluorfen, acifluorfen-sodium, aclonifen, bifenox, chlornitrofen  
(CNP), ethoxyfen, fluoreldifen, fluoroglycofen-ethyl, fomesafen,  
furyloxyfen, lactofen, nitrofen, nitrofluorfen or oxyfluorfen;

——oxadiazoles:

oxadiargyl or oxadiazon;

——cyclic imides:

azafenidin, butafenacil, carfentrazone-ethyl, cinidon-ethyl,  
flumiclorac-pentyl, flumioxazin, flumipropyn, flupropacil, fluthiacet-  
methyl, sulfentrazone or thidiazimin; or

——pyrazoles:

ET-751, JV-485 or nipyraclufen;

C12—photosynthesis inhibitors:

——propanil, pyridate or pyridafol;

——benzothiadiazinones:

bentazone;

——dinitrophenols:

bromofenoxim, dinoseb, dinoseb-acetate, dinoterb or DNOC;

——dipyridylenes:

cyperquat-chloride, difenzoquat-methylsulfate, diquat or paraquat-  
dichloride;

—— ureas:

chlorbromuron, chlorotoluron, difenoxuron, dimefuron, diuron,  
ethidimuron, fenuron, fluometuron, isoproturon, isouron, linuron,  
methabenzthiazuron, methazole, metobenzuron, metoxuron,  
monolinuron, neburon, siduron or tebuthiuron;

—— phenols:

bromoxynil or ioxynil;

—— chloridazon;

—— triazines:

ametryn, atrazine, cyanazine, desmetryn, dimethamethryn,  
hexazinone, prometon, prometryn, propazine, simazine, simetryn,  
terbumeton, terbutryn, terbutylazine or trietazine;

—— triazinones:

metamitron or metribuzine;

—— uracils:

bromacil, lenacil or terbacil; or

—— biscarbamates:

desmedipham or phenmedipham;

**C13—synergists:**

—— oxiranes:

tridiphane;

**C14—growth substances:**

—— aryloxyalkanoic acids:

2,4-DB, clomeprop, dichlorprop, dichlorprop-P (2,4-DP-P),

fluoroxypyr, MCPA, MCPB, mecoprop, mecoprop-P, or triclopyr;

— benzoic acids:

chloramben or dicamba; or

— quinolinecarboxylic acids:

quinclorac or quinmerac;

C15—cell wall synthesis inhibitors:

— isoxaben or dichlobenil;

C16—various other herbicides:

— dichloropropionic acids:

dalapon;

dihydrobenzofurans;

ethofumesate;

— phenylacetic acids:

chlorfenac (fenac); or

— aziprotyn, barban, bensulide, benzthiazuron, benzoiflur,

buminafos, buthidazole, buturon, cafenstrole, chlorbufam,

chlorfenprop-methyl, chloroxuron, cinmethylin, cumyluron, cycluron,

cyprazine, cyprazole, dibenzyluron, dipropetryn, dymron, eglinazin-

ethyl, endothall, ethiozin, flucabazone, fluorbentrail, flupoxam,

isocarbamid, isopropalin, karbutilate, mefluidide, monuron,

napropamide, napropanilide, nitralin, oxaciclomefone,

phenisopham, piperophos, procyzazine, profluralin, pyributicarb,

~~secbumeton, sulfallate (CDEC), terbucarb, triazofenamid, triaziflan~~  
~~or trimeturon;~~

or their environmentally compatible salts; wherein said sulfonamide is selected from the group consisting of florasulam, flumetsulam and metosulam and said triazine is selected from the group consisting of ametryn, atrazine, cyanazine, desmetryn, dimethamethryn, prometon, prometryn, propazine, simazine, simetryn, terbumeton, terbutryn, terbutylazine and trietazine,

in a synergistically effective amount.

Claims 2-24. (Canceled)

25. (Currently Amended) A synergistic herbicidal mixture as claimed in claim 1 comprising, as component C) a triazine ~~from group C12.~~

26. (Previously presented) A synergistic herbicidal mixture as claimed in claim 1, comprising as component C) atrazine.

Claims 27-29. (Canceled)

30. (Previously Presented) Synergistic herbicidal mixture as claimed in claim 1, wherein component A) and B) are present in a weight ratio of 1:0.001 to 1:500.

31. (Previously presented) Synergistic herbicidal mixture as claimed in claim 1, wherein component A) and component C) are present in a weight ratio of 1:0.002 to 1:800.
32. (Previously Presented) A herbicidal composition comprising a herbicidally active amount of a synergistic herbicidal mixture as claimed in claim 1, at least one inert liquid and/or solid carrier and, if desired, at least one surfactant.
33. (Previously presented) A process for the preparation of herbicidal compositions as claimed in claim 32, comprising mixing component A), component B), component C), at least one inert liquid and/or solid carrier and, if appropriate, a surfactant.
34. (Currently Amended) A method of controlling undesired vegetation, ~~which~~ comprising applying simultaneously or separately to said vegetation, the environment of said vegetation and/or seeds of said vegetation
- A) 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole
- or one of its environmentally compatible salts;
- and
- B) ~~at least one of flumetsulam~~
- ~~or one of its environmentally compatible salts;~~

or clopyralid or one of its environmentally compatible salts;

and,

- C) at least one herbicidal compound selected from the group consisting of sulfonamide and triazine C1 to C16:

— C1 — acetyl-CoA carboxylase inhibitors (ACC):

— cyclohexenone-oxime ethers:

alloxydim, clethodim, cloproxydim, cycloxydim, sethoxydim,  
tralkoxydim, butroxydim, clefoxydim or tepraloxym;

— phenoxyphenoxypropionic esters:

clodinafop-propargyl (and, if appropriate, cloquintocet), cyhalofop-  
butyl, diclofop-methyl, fenoxaprop-ethyl, fenoxaprop-P-ethyl,  
fenthiapropethyl, fluazifop-butyl, fluazifop-P-butyl, haloxyfop-  
ethoxyethyl, haloxyfop-methyl, haloxyfop-P-methyl, isoxapyrifop,  
propaquizafop, quizalofop-ethyl, quizalofop-P-ethyl or quizalofop-  
tefuryl; or

— arylaminopropionic acids:

flamprop-methyl or flamprop-isopropyl;

C2 — acetolactate synthase inhibitors (ALS):

— imidazolinones:

imazapyr, imazaquin, imazamethabenz-methyl (imazame),  
imazamox, imazapic, imazethapyr or imazamethapyr;

— pyrimidyl ethers:

pyrithiobac-acid, pyrithiobac-sodium, bispyribac-sodium, KIH-6127

or pyribenzoxym;

— sulfonamides:

florasulam, flumetsulam or metosulam; or

— sulfonyleureas:

amidosulfuron, azimsulfuron, bensulfuron-methyl, chlorimuron-

ethyl, chlorsulfuron, cinosulfuron, cyclosulfamuron,

ethametsulfuron-methyl, ethoxysulfuron, flazasulfuron,

halosulfuron-methyl, imazosulfuron, metsulfuron-methyl,

nicosulfuron, primisulfuron-methyl, prosulfuron, pyrazosulfuron-

ethyl, rimsulfuron, sulfometuron-methyl, thifensulfuron-methyl,

triasulfuron, tribenuron-methyl, triflusulfuron-methyl, N-[[[4-

methoxy-6-(tri-fluoromethyl)-1,3,5-triazin-2-yl]amino]-carbonyl]-2-

(trifluoromethyl)-benzenesulfonamide, sulfosulfuron or iodosulfuron;

C3—amides:

— allidochlor (CDAA), benzoylprop-ethyl, bromobutide, chlorthiamid,

diphenamid, etobenzanid (benzchlomet), fluthiamide, fosamin or

monalide;

C4—auxin herbicides:

— pyridine carboxylic acids:

clopyralid or picloram; or

— 2,4-D or benazolin;

C5—auxin transport inhibitors:

——naptalame or diflufenzopyr;

C6—carotenoid biosynthesis inhibitors:

——benzofenap, clomazone (dimethazone), diflufenican,  
fluorochloridone, fluridone, pyrazolynate, pyrazoxyfen, isoxaflutole,  
isoxachlortole, mesotrione, sulcotrione (chlormesulone),  
ketospiradox, flurtamone, norflurazon or amitrol;

C7—enolpyruvylshikimate-3-phosphate synthase inhibitors (EPSPS):

——glyphosate or sulfosate;

C8—glutamine synthetase inhibitors:

——bisanfos (bialaphos) or glufosinate-ammonium;

C9—lipid biosynthesis inhibitors:

——anilides:

anilofos or mefenacet;

——chloroacetanilides:

dimethenamid, S-dimethenamid, acetochlor, alachlor, butachlor,  
butenachlor, diethatyl-ethyl, dimethachlor, metazachlor,  
metolachlor, S-metolachlor, pretilachlor, propachlor, prynachlor,  
terbuchlor, thenylchlor or xylachlor;

——thioureas:

butylate, cycloate, di-allate, dimepiperate, EPTC, esprocarb,  
molinate, pebulate, prosulfocarb, thiobencarb (benthiocarb), tri-  
allate or vernolate; or

——benfuresate or perfluidone;

C10—mitosis inhibitors:

—— carbamates:

asulam, carbetamid, chlorpropham, orbencarb, pronamid  
(propyzamid), propham or tiocarbazil;

—— dinitroanilines:

benefin, butralin, dinitramin, ethalfluralin, fluchloralin, oryzalin,  
pendimethalin, prodiamine or trifluralin;

—— pyridines:

dithiopyr or thiazopyr; or

—— butamifos, chlorthal-dimethyl (DCPA) or maleic hydrazide;

C11—protoporphyrinogen IX oxidase inhibitors:

—— diphenyl ethers:

acifluorfen, acifluorfen-sodium, acenifen, bifenox, chlornitrofen  
(CNP), ethoxyfen, fluorodifen, fluoroglycofen-ethyl, fomesafen,  
furyloxyfen, lactofen, nitrofen, nitrofluorfen or oxyfluorfen;

—— oxadiazoles:

oxadiargyl or oxadiazon;

—— cyclic imides:

azafenidin, butafenacil, carfentrazone-ethyl, cinidon-ethyl,  
flumiclorac-pentyl, flumioxazin, flumipropyn, flupropacil, fluthiacet-  
methyl, sulfentrazone or thidiazimin; or

—— pyrazoles:

ET-751, JV-485 or nipyraclufen;

C12—photosynthesis-inhibitors:

—— propanil, pyridate or pyridafol;

—— benzothiadiazinones:

    bentazone;

—— dinitrophenols:

    bromofenoxim, dinoseb, dinoseb-acetate, dinoterb or DNOC;

—— dipyridylenes:

    cyperquat-chloride, difenzoquat-methylsulfate, diquat or paraquat-dichloride;

—— ureas:

    chlorbromuron, chlorotoluron, difenoxuron, dimefuron, diuron,

    ethidimuron, fenuron, fluometuron, isoproturon, isouron, linuron,

    methabenzthiazuron, methazole, metobenzuron, metoxuron,

    monolinuron, neburon, siduron or tebuthiuron;

—— phenols:

    bromoxynil or ioxynil;

—— chloridazon;

—— triazines:

    ametryn, atrazine, cyanazine, desmetryn, dimethamethryn,

    hexazinone, prometon, prometryn, propazine, simazine, simetryn,

    terbumeton, terbutryn, terbutylazine or trietazine;

—— triazinones:

metamitron or metribuzine;

— uracils:

bromacil, lenacil or terbacil; or

— bismamates:

desmedipham or phenmedipham;

C13 synergists:

— oxiranes:

tridiphan;

C14 growth substances:

— aryloxyalkanoic acids:

2,4-DB, clomeprop, dichlorprop, dichlorprop-P (2,4-DP-P);

fluoroxypyr, MCPA, MCPB, mecoprop, mecoprop-P, or triclopyr;

— benzoic acids:

chloramben or dicamba; or

— quinolinecarboxylic acids:

quinclorac or quinmerac;

C15 cell wall synthesis inhibitors:

— isoxaben or dichlobenil;

C16 various other herbicides:

— dichloropropionic acids:

dalapon;

dihydrobenzofurans:

ethofumesate;

— phenylacetic acids:

chlorfenac (fenac); or

— aziprotryn, barban, bensulide, benzthiazuron, benzofluor, buminafos, buthidazole, buturon, cafenstrole, chlorbufam, chlorfenprop-methyl, chloroxuron, cinmethylin, cumyluron, cycluron, cyprazine, cyprazole, dibenzyluron, dipropetryn, dymron, eglinazin-ethyl, endothall, ethiozin, flucabazone, fluorbentranil, flupexam, isocarbamid, isopropalin, karbutilate, mefluidide, monuron, napropamide, napropanilide, nitralin, oxaciclomefone, phenisopham, piperophos, procyzazine, profluralin, pyributicarb, secbumeton, sulfallate (CDEC), terbucarb, triazofenamid, triaziflan or trimeturon;

wherein said sulfonamide is selected from the group consisting of florasulam, flumetsulam and metosulam and said triazine is selected from the group consisting of ametryn, atrazine, cyanazine, desmetryn, dimethamethryn, prometon, prometryn, propazine, simazine, simetryn, terbumeton, terbutryn, terbutylazine and trietazine,

or their environmentally compatible salts;

in a synergistically effective amount.

35. (Previously Presented) The method of claim 34, wherein the undesired vegetation is proximate crop plants, and the application is to the leaves of the crop plant and of the undesired vegetation.
36. (New) A synergistic herbicidal mixture according to claim 1 comprising, as component C) a sulfonamide.
37. (New) A synergistic herbicidal mixture according to claim 36, comprising as component C) flumetsulam.